GROUND WATER

Selective Subject Index of the Journal of GROUND WATER

1963 - 1976
Vol. 1-14

This index is not a complete index of all articles published in Ground Water, but rather a selected index of those articles considered by the staff to have continuing value to researchers in the most frequently studied areas of ground water science.

Articles listed under each subject title appear in chronological order beginning with the oldest publication date and proceeding to the most recent publication date.

REPRINTS of the listed articles are available through the National Water Well Association, 500 West Wilson Bridge Road, Suite 135, Worthington, Ohio 43085. There is a charge of 10 cents per page, with a $1.00 minimum charge for any order.

TABLE OF CONTENTS

Page

GROUND WATER RESOURCE EVALUATION

Surface Geophysical Methods of Evaluating Ground Water Resources 1
Borehole Geophysics 2
Mapping Studies & Remote Sensing 3
Aquifer and Well Testing 4
Ground Water - Analog Models 7
Ground Water Quality Models 8
Ground Water - Digital Models 8
Aquifer Studies 9
Ground Water Movements 11
Causes of Ground Water Level Fluctuations 11

GROUND WATER QUALITY

Ground Water Chemistry 12
Waste Injection Wells 13
Ground Water Pollution 14
Saline Ground Water and Salt Water Intrusion 19

GROUND WATER DEVELOPMENT

Ground-Water Potential and Development 20
Well Drilling and Developing 21
Ground-Water Recharge 22

GROUND WATER MANAGEMENT

Ground Water Management 24
Ground Water Costs and Economics 25
Ground Water Education 26
Ground Water Legislation 27

Surface Geophysical Methods of Evaluating Ground Water Resources

Case Histories of Resistivity and Seismic Ground Water Studies, Vol. 2, No. 1, p. 21-25, Jan 64, G.C. Carpenter and D.R. Bassarab.

Geoelectrical and Seismic Refraction Investigations Near San Jose, California, Vol. 3, No. 3, p. 41-48, July 65, A.A.R. Zohdy.

Tracing the Continuity of Pleistocene Aquifers in Northern New Jersey by Seismic Methods, Vol. 3, No. 4, p. 33-35, Oct 65, H.E. Gill, J. Vecchioli and W.E. Bonini.

Geophysical Surveys in the Vicinity of Sanitary Landfills in Northeastern Illinois, Vol. 6, No. 5, p. 23-30, Sept-Oct 68, K. Cartwright and M.R. McComas.

Use of the Electrical Resistivity Method for Investigating Geologic and Hydrologic Conditions in Santa Clara County, California, Vol. 6, No. 5, p. 31-40, Sept-Oct 68, Leo M. Page.

Application of the Gravity Survey Method to Watershed Hydrology, Vol. 6, No. 6, p. 21-26, Nov-Dec 68, D.P. Spangler and F.J. Libby.

Preliminary Field Studies Using Earth Resistivity Measurements for Delineating Zones of Contaminated Ground Water, Vol. 7, No. 1, p. 9-16, Jan-Feb 69, Don L. Warner.

Direct Conductance Method of Measuring Casing Lengths, Vol. 7, No. 4, p. 26-27, July-Aug 69, S.H. Ross and Gerald Adcock.

Casing Detector and Self Potential Logger, Vol. 7, No. 6, p. 24-27, Nov-Dec 69, Michael H. Frimpter.

Estimating the Ground Water Contribution to Storm Runoff by the Electrical Conductance Method, Vol. 8, No. 2, p. 5-10, March-April 70, Adrian P. Visocky.

Some Limitations of Seismic Refraction Methods in Geohydrological Surveys of Deep Alluvial Basins, Vol. 8, No. 6, p. 8-13, Nov-Dec 70, D.E. Wallace.

Field Study of Subsurface Spent Sulfite Liquor Movement Using Earth Resistivity Measurements, Vol. 9, No. 3, p. 11-16, May-June 71, Douglas A. Hackbarth.

The Use of Resistivity Techniques to Delineate Acid Mine Drainage in Ground Water, Vol. 10, No. 5, p. 38-42, Sept-Oct 72, R.H. Merkel.

Seismic Refraction Investigations in Parts of the Ohio River Valley in Kentucky, Vol. 11, No. 2, p. 28-37, March-April 73, H.H. Zehner.

Exploration for a Buried Valley By Resistivity and Thermal Probe Surveys, Vol. 12, No. 2, p. 78-83, March-April 74, Edgar M. Smith.

Earth Resistivity Surveys--A Method for Defining Ground Water Contamination, Vol. 13, No. 2, p. 145-150, March-April 75, R.L. Stollar and P. Roux.

Limitations of the Electrical Resistivity Method in Landfill Investigations, Vol. 13, No. 5, p. 418-427, Sept-Oct 75, G. Klefstad, L.V.A. Sendlein and R.C. Palmquist.

Surface Geophysical Methods of Evaluating Ground Water Resources (Cont.)

Geoelectric Sounding for Delineating Ground-Water Contamination, Vol. 14, No. 1, p 6-10, Jan-Feb 76, William E. Kelly.

A Seismic Ground-Water Survey in New Hampshire, Vol. 14, No. 2, p 94-100, Mar-Apr 76, Francis S. Birch.

Hydregeophysical Equivalence of Water Salinity, Porosity and Matrix Conduction in Arenaceous Aquifers, Vol. 14, No. 4, p 224-232, Jul-Aug 76, Paul F. Worthington.

Borehole Geophysics

Geophysics as an Aid to the Small Water Well Contractor, Vol. 1, No. 1, p 33-37, Jan 63, C.J. Linck.

Why Electric Log Water Wells?, Vol. 2, No. 2, p 32-34, Apr 64, C.W. Zublin.

Geophysical Logging and Hydraulic Testing, Pahute Mesa, Nevada Test Site, Vol. 6, No. 4, p 24-31, Jul-Aug 68, Richard K. Blankennagel.

Induction-Tuned Method to Determine Casing Lengths in Hydrogeologic Investigations, Vol. 6, No. 6, p 11-17, Nov-Dec 68, C.R. Marsh & R.R. Parizek.

Direct Conductance Method of Measuring Casing Lengths, Vol. 7, No. 4, p 26-27, Jul-Aug 69, S.H. Ross and Gerald Adcock.

Casing Detector and Self-Potential Logger, Vol. 7, No. 6, p 24-27, Nov-Dec 69, Michael H. Frimpter.

Electric Well Logging of Hawaiian Basaltic Aquifers, Vol. 8, No. 2, p 11-18, Mar 70, F.L. Peterson and Chester Lao.

Techniques for Quality-of-Water Interpretations from Calibrated Geophysical Logs, Atlantic Coastal Area, Vol. 9, No. 4, p 25-38, Jul-Aug 71, Donald L. Brown.

Some Applications of Geophysical Well Logging to Basalt Hydrogeology, Vol. 9, No. 5, p 12-20, Sept-Oct 71, J.W. Crosby III, and J.V. Anderson.

The Use of Gamma Logs in Determining the Character of Unconsolidated Sediments and Well Construction Features, Vol. 10, No. 6, p 14-21, Nov-Dec 72, Stanley E. Norris.

Mapping Studies & Remote Sensing

The Design and Use of Hydrogeologic Maps, Vol. 4, No. 1, p 25-26, Jan 66, J.C. Warman and D.R. Wiesnet.

Some Technical Aspects of Ground-Water Administration, Vol. 4, No. 2, p 47-50, Apr 66, C.E. Nuzman.

Hydrologic Significance of Tectonic Fractures Detectable on Airphotos, Vol. 4, No. 4, p 23-27, Oct 66, José Setzer.

Activities of the Hydrogeologic Map Committee of the International Association of Scientific Hydrology, Vol. 4, No. 4, p 28-32, Oct 66, P.E. LaMoreaux.

Map Interpretation and Classification of Buried Valleys, Vol. 6, No. 4, p 32-37, Jul-Aug 68, Marvin Saines.

The Probability of Anomalies on Contour Maps, Vol. 8, No. 6, p 33-38, Nov-Dec 70, Darrel E. Dunn.

A Hydrogeophysical Survey Using Remote-Sensing Methods from Kawaihae to Kailua-Kona, Hawaii, Vol. 9, No. 1, p 42-50, Jan-Feb 71, W.M Adams, F.L. Peterson, S.P. Mathur, L.K. Lepley, C. Warren and R.D. Huber.

On the Management of Ground Water in Coastal Aquifers, Vol. 9, No. 2, p 12-20, Mar-Apr 71, Abdel-Aziz I. Kashef.

Mapping Ground Water by Using Electrical Resistivity with a Buried Current Source, Vol. 10, No. 2, p 18-25, Mar-Apr 72, R.H. Merkeland and J.T. Kaminski.

Mapping Buried Bedrock Topography with Gravity, Vol. 10, No. 3, p 18-23, May-Jun 72, A. Ibrahim and W.J. Hinze.

Aerial Remote Sensing of Carbonate Terranes in Shelby County, Alabama, Vol. 11, No. 6, p 14-26, Nov-Dec 73, W.M. Warren and C.C. Wielchowsky.

Design and Operation of Land Treatment Systems for Minimum Contamination of Ground Water, Vol. 12, No. 3, p 140-147, May-Jun 74, Herman Bouwer.

Skillful Brinkmanship in Ground Waste Management, Vol. 13, No. 3, p 246-250, May-Jun 75, Harry E. LeGrand.

Water Zoning - Tool for Ground Water Basin Managers, Vol. 13, No. 5, p 395-399, Sept-Oct 75, L.C. Dutcher and L.R. Peterson.

Aquifer and Well Testing

Estimating Transmissibility from Routine Production Tests of Water Wells, Vol. 2, No. 1, p 35-37, Jan 64, J. Logan.

Transmissibility Determination by the Bail-Test Method, Vol. 2, No. 1, p 38-39, Jan 64, D.H. Lennox and J.F. Jones.

Analysis of Current Meter Data from Wells by Flow Distribution Curves, Vol. 2, No. 2, p 12-17, Apr 64, G.W. Leve

Hydraulic Characteristics of Fractured and Jointed Rock, Vol. 2, No. 3, p 4-9, July 64, D.C. Lewis and R.H. Burgy.

Type-Curve Solution to Aquifer Tests Under Water-Table Conditions, Vol. 3, No. 3, p 5-14, July 65, T.A. Prickett.

The Drill-Stem Test: The Petroleum Industry's Deep-Well Pumping Test, Vol. 3, No. 3, p 31-36, July 65, J.D. Bredehoeft.

Estimating Transmissibility with One Drawdown, Vol. 3, No. 3, p 51-54, July 65, Lawrence Ogden.

Determining Transmissibility from Cyclic Discharge, Vol. 4, No. 3, p 33-34, Jul 66, N. Thomas Sheahan.

Estimating Distances to Hydrologic Boundaries from Discharging Well Data, Vol. 5, No. 1, p 5-8, Jan 67, S.I. Strausbert.

Maximum Drawdown in Intermittently Pumped Wells, Vol. 5, No. 1, p 39-42, Jan 67, G.F. Taverner.

A Non-Graphical Method of Determining u and W(u), Vol. 5, No. 2, p 31-35, Apr 67, N.T. Sheahan.

Predicting Well Yields--Two Case Histories, Vol. 5, No. 2, p 41-53, April 67, P.F. Patchick.

A Comparison of Long Term and Short Term Pumping Tests, Vol. 5, No. 3, p 33-34, July 67, W.K. Summers.

Transmissibility Determination from Variable Discharge Pumping Tests, Vol. 5, No. 4, p 27-29, Oct 67, Y.M. Sternberg.

The Relationship Between Specific Capacity and Aquifer Transmissibility in the Houston Area, Texas, Vol. 6, No. 4, p 9-14, Jul-Aug 68, R.K. Gabrysch.

An Aquifer Test Used to Investigate a Quality of Water Anomaly, Vol. 6, No. 6, p 18-20, Nov-Dec 68, Donald G. Jorgensen.

Step-Drawdown Test Needs Critical Review, Vol. 7, No. 1, p 28-34, Jan-Feb 69, Joe L. Mogg.

Methods of Analysis of Pumping Test Data, Vol. 7, No. 2, p 2-6, Mar-Apr 69, T.N. Narasimhan.

Aquifer and Well Testing (cont.)

Volume of Aquifer Tested for Permeability During a One-Well Pumping Test, Vol. 7, No. 4, p 24-25, Jul-Aug 69, Sanford L. Strausberg.

Design and Operation of an Inexpensive Sensitive Piezometer with Short Timelag, Vol. 7, No. 6, p 14-16, Nov-Dec 69, D.W. Allman, R.E. Williams and G.R. Stephenson.

Air Pump for Small-Diameter Piezometers, Vol. 8, No. 3, p 10-15, May-Jun 70, P.C. Trescott and G.F. Pinder.

Interference Between Gravity Wells - Steady State Flow, Vol. 8, No. 6, p 25-32, Nov-Dec 70, Abdel-Aziz I. Kashef.

Type-Curve Solution of Step-Drawdown Test, Vol. 9, No. 1, p 25-29, Jan-Feb 71, N. Thomas Sheahan.

Comparison of Methods for Evaluating Aquifer Characteristics, Vol. 9, No. 4, p. 6-11, Jul-Aug 71, Michael I. Nawrocki.

Drawdown in a Well Group Along a Straight Line, Vol. 9, No. 4, p 12-18, Jul-Aug 71, D.B. Rao, R.J. Krizek, and G.M. Karadi.

Application of Nonparametric Statistical Tests in Hydrogeology, Vol. 10, No. 2, p 26-31, Mar-Apr 72, S.H. Siddiqui and R.R. Parizek.

Practical Solutions for Pumping Tests in Carbonate-Rock Aquifers, Vol. 10, No. 4, p 6-13, Jul-Aug 72, H.B. Eagon Jr. and D.E. Johe.

Well Losses Due to Reduced Formation Permeability, Vol. 10, No. 4, p 42-45, Jul-Aug 72, Jasminko Karanjac.

Specific Capacities of Wells in Crystalline Rocks, Vol. 10, No. 6, p 37-47, Nov-Dec 72, W.K. Summers.

Determining Wedge Angle for a Wedge Aquifer, Vol. 11, No. 1, p 25-31, Jan-Feb 73, A. Vanden Berg and D.H. Lennox.

Increasing Well Yield with Hybrid Wells, Vol. 11, No. 4, p 12-17, Jul-Aug 73, Otto J. Helweg.

Flow to Wells Near Streams in the Presence of Delayed Yield from Storage and Analysis of Pumping Test Data, Vol. 11, No. 4, p 42-45, Jul-Aug 73, I.G. Yotov.

Processing of Results of Observations of Spring Discharge, Vol. 11, No. 5, p 3-14, Sept-Oct 73, Hubert Kriz.

Unsteady Drawdown at a Partially Penetrating Well in a Transversely Isotropic Artesian Aquifer, Vol. 11, No. 6, p 44-49, Nov-Dec 73, D.B. Rao, G.M. Karadi, and R.J. Krizek.

Aquifer Tests in Large-Diameter Wells in India, Vol. 12, No. 5, p 265-272, Sept-Oct 74, Edward A. Sammel.

Aquifer and Well Testing (Cont.)

Tests of a Ground-Water Optimization Technique, Vol. 12, No. 5, p 273-276, Sept-Oct 74, K.A. Remson, E. Aguado, and I. Remson.

Analysis of Shallow Hard Rock Well Pumping and Recovery Test Data, Vol. 12, No. 5, p 310-317, Sept-Oct 74, Narimantas T. Zdankus.

Underground Storage of Treated Water: A Field Test, Vol. 13, No. 5, p 410-417, Sept-Oct 75, C.G. Smith, Jr., and J.S. Hanor.

Pumping Test Analysis When Parameters Vary with Depth, Vol. 14, No. 2, p 82-87, Mar-Apr 76, K.R. Rushton and Y.K. Chan.

Change in Drawdown Caused by Enlarging A Well in a Dolomite Aquifer, Vol. 14, No. 4, p 191-193, Jul-Aug 76, Stanley E. Norris.

Well Cuttings Analysis in Ground-Water Resources Evaluation, Vol. 14, No. 5, p 272-277, Sept-Oct 76, W.G. Matlock, G.C.A. Morin and J.E. Posedly.

Ground Water - Analog Models

Use of Analog Plotter in Water Control Problems, Vol. 1, No. 1, p 8-10, Jan 63, C.B. Sherwood and H. Klein.

An Empirical Model Study of Cones of Depression Produced by Pumping Wells, Vol. 2, No. 3, p 10-15, Jul 64, J.H. Lehr.

Resistance Network Analogs for Solving Ground-Water Problems, Vol. 2, No. 3, p 26-32, Jul 64, H. Bouwer.

The Hele-Shaw Model -- A Research Device in Ground-Water Studies, Vol. 2, No. 4, p 33-37, Oct 64, Y.M. Sternberg and V.H. Scott.

The Design and Construction of Hele-Shaw Models, Vol. 4, No. 2, p 16-22, Apr 66, Nathan Columbus.

Recharge Distribution Determined by Analog Model, Vol. 4, No. 3, p 13-16, Jul 66, W.G. Matlock.

An Electrical Analog Study of the Geometry of Limestone Solution, Vol. 5, No. 1, p 24-28, Jan 67, M.S. Bedinger.

Steady-State Discharge to a Partially Penetrating Artesian Well: An Electrolyte-Tank Model Study, Vol. 5, No. 1, Jan 67, p 29-34, O.L. Franke.

Design and Construction of a Horizontal Viscous Flow Model, Vol. 5, No. 3, p 35-41, July 67, R.D. Varrin and H.Y. Fang.

Designing Pumped Well Characteristics into Electric Analog Models, Vol. 5, No. 4, p 38-46, Oct 67, T.A. Prickett.

Analyzing Pumping Tests by Resistance Network Analogue, Vol. 6, No. 2, p 12-18, Mar-Apr 68, Robin Herbert.

Modelling Partially Penetrating Rivers on Aquifer Models, Vol. 8, No. 2, p 29-36, Mar-Apr 70, Robin Herbert.

Model Tests for a Horizontal Well, Vol. 8, No. 5, p 30-34, Sept-Oct 70, Yehuda Peter.

Rapid Recharge in a Limestone Aquifer, Vol. 14, No. 1, p 21-26, Jan-Feb 76, I.A. Fox and K.R. Rushton.

An Electric Analog Approach to Bog Hydrology, Vol. 14, No. 1, p 30-35, Jan-Feb 76, John E. Sander.

Ground Water Quality Models

Digital Computer Methods for Water-Quality Data, Vol. 4, No. 3, p 35-42, Jul 66, C.O. Morgan, R.J. Dingman and J.M. McNellis.

Graphical Interpretation of Water-Quality Data, Vol. 10, No. 2, p 32-43, Mar-Apr 72, Alexander Zaporozec.

Ground-Water Quality Models: What They Can and Cannot Do, Vol. 12, No. 2, p 97-101, Mar-Apr 74, D.E. Evenson, G.T. Orlob, and T. Clark Lyons.

Ground-Water Quality Modeling, Vol. 12, No. 6, p 399-408, Nov-Dec 74, L.W. Gelhar, and J.L. Wilson.

Ground-Water Quality Variation in Phelps County, Missouri, Vol. 14, No. 4, p 214-223, Jul-Aug 76, Charles P. Tryon.

Quality of Ground Water in the Coastal Aquifer Near Visakhapatnam, India, Vol. 14, No. 5, p 290-295, Sept-Oct 76, V.V. Jagannadha Sarma and N. Krishnaiah.

Ground Water - Digital Models

Analog-Digital Models of Stream-Aquifer Systems, Vol. 7, No. 5, p 19-24, Sept-Oct 69, E.A. Moulder and C.T. Jenkins.

A Computer Method for Pumping -- Test Analysis, Vol. 8, No. 5, p 21-24, Sept-Oct 70, Z.A. Saleem.

Numerical Solutions for the Radial Subsurface Flow Problem, Vol. 8, No. 6, p 39-47, Nov -Dec 70, R.L. Drake and M.B. Ellingson.

A Shortcut for Computing Stream Depletion by Wells Using Analog or Digital Model, Vol. 9, No. 2, p 9-11, Mar-Apr 71, O. James Taylor.

Design of Analog Model for Aquifer Response Studies, Using a Digital Model, Vol. 10, No. 5, p 33-37, Sept-Oct 72, Murray-James Verge.

A New Technique for Estimating Recharge Using a Digital Model, Vol. 10, No. 6, p 22-26, Nov-Dec 72, O.J. Taylor and R.R. Luckey.

Digital Simulation of an Outwash Aquifer, Vol. 11, No. 2, p 38-43, March-Apr 73, Chang L. Lin.

Ground-Water Modelling Using Interactive Analogue and Digital Computers, Vol. 12, No. 5, p 296-300, Sept-Oct 74, K.R. Rushton and J.E. Ash.

Step-Drawdown Test Analysis by Computer, Vol. 13, No. 5, p 438-444, Sept-Oct 75, J.W. Labadie and O.J. Helweg.

A Simple Computer Program for the Determination of Aquifer Characteristics from Pump Test Data, Vol. 14, No. 5, p 283-285, Sept-Oct 76, Joseph C. Holzschuh, III.

Aquifer Studies

Some Aspects of Sampling Salty Ground Water in Coastal Aquifers, Vol. 1, No. 1, p 28-32, Jan 63, F.A. Kohout and N.D. Hoy.

Maximum Yields from Minimum Aquifers, Vol. 4, No. 2, p 11-12, Apr. 66, J.L. Mogg.

Safe Yield of a Well Field in a Leaky-Artesian Strip Aquifer, Vol. 6, No. 2, p 30-36, Mar-Apr 68, A. Vanden Berg and D.H. Lennox.

Techniques for Computing Rate and Volume of Stream Depletion by Wells, Vol. 6, No. 2, p 37-46, Mar-Apr 68, C.T. Jenkins.

Map Interpretation and Classification of Buried Valleys, Vo. 6, No. 4, p 32-37, July-Aug 68, Marvin Saines.

Measuring Underground-Explosion Effects on Water Levels in Surrounding Aquifers, Vol. 7, No. 4 p 3-7, Jul-Aug 69, M.S. Garber and L.E. Wollitz.

Steady-State Lateral Movement of Water Through the Unsaturated Zone of an Unconfined Aquifer, Vol. 7, No. 6, p 28-34, Nov-Dec 69, F. Mobasheri and M. Shahbazi.

Ground-Water Velocity Partition, Vol. 8, No. 4, p 14, July-Aug 70, Darrel E. Dunn.

Common Errors in Developing a Ground-Water Aquifer, Vol. 8, No. 4, p 25-28, Jul-Aug 70, D.V. Whitesides.

Determining the Sustained Yields of Wells in Carbonate and Fractured Aquifers, Vol. 8, No. 5, p 12-20, Sept-Oct 70, R.R. Parizek and S.H. Siddiqui.

Use of Alluvial Faults in the Storage and Retention of Ground Water, Vol. 8, No. 5, p 25-29, Sept-Oct 70, Dennis E. Williams.

Common Stratigraphic Boundaries Associated With Coastal Plain Aquifers, Vol. 9, No. 1, p 5-12, Jan-Feb 71, Harry J. Hansen.

Comparison of Methods for Evaluating Aquifer Characteristics, Vol. 9, No. 4, p 6-11, Jul-Aug 71, Michael A. Nawrocki.

Aquifers Changing Between the Confined and Unconfined State, Vol. 9, No. 5, p 30-39, Sept-Oct 71, K.R. Rushton and L.A. Wedderburn.

Aquifer Protection and Rehabilitation, Vol. 10, No. 1, p 73-87, Jan-Feb 72, Group Discussion.

The Use, Abuse and Recovery of a Glacial Aquifer, Vol. 10, No. 1, p 65-72, Jan-Feb 72, Edward M. Burt.

Survey of Interstate and International Aquifer Problems, Vol. 10, No. 2, p 44-54, Mar-Apr 72, Morton W. Bittinger.

Ground-Water Volumes for Anomalous Mass Determinations for Alluvial Basins, Vol. 10, No. 3, p 24-32, May-Jun 72, R.E. West and J.S. Sumner.

Aquifer Studies (Cont.)

Application of Harrill's Equation to a Limestone Aquifer, Vol. 10, No. 4, p 21-23, Jul-Aug 72, W.K. Summers.

A Basin Study of Ground-Water Discharge from Bedrock into Glacial Drift: Part I-Definition of Ground-Water System, Vol. 10, No. 4, p 24-34, Jul-Aug 72, D.C. Kent and L.V.A. Sendlein.

A Basin Study of Ground-Water Discharge from Bedrock into Glacial Drift: Part II-Estimate of Discharge, Vol. 10, No. 5, p 24-32, Sept-Oct 72, D.C. Kent and L.V.A. Sendlein.

Role of Vertical Shafts in the Movement of Ground Water in Carbonate Aquifers, Vol. 10, No. 6, p 5-13, Nov-Dec 72, R.W. Brucker, J.W. Hess and W.B. White.

Geologic Classification of Aquifers, Vol. 11, No. 2, p 3-5, Mar-Apr 73, H. R. Blank and M.C. Schroeder.

Unsteady Drawdown at a Partially Penetrating Well in a Transversely Isotropic Artesian Aquifer, Vol. 11, No. 6, p 44-49, Nov-Dec 73, D.B. Rao, G.M. Karadi, and R.J. Krizek.

Some Aspects of Approximating Aquifer Discharge, Vol. 12, No. 3, p 135-139, May-June 74, David L. Gundlach.

Bore Hole Sampling of Saturated Uncemented Sands and Gravels, Vol. 12, No. 3, p 170-181, May-Jun 74, C.M. Barton.

Investigation and Rehabilitation of a Brine-Contaminated Aquifer, Vol. 13, No. 2, p 155-160, Mar-Apr 75, John S. Fryberger.

Monitoring Regional Effects of High Pressure Injection of Industrial Waste Water in a Limestone Aquifer, Vol. 13, No. 2, p 197-208, Mar-Apr 75, G.L. Faulkner and C.A. Pascale.

Deprivation Contribution and Interference Effects of Multiple Wells in a Common Aquifer, Vol. 13, No. 3, p 251-253, May-Jun 75, J.F. Harp and J.G. Laguros.

Theory of Ground-Water Recharge for a Strip Basin, Vol. 13, No. 3, p 282-292, May-Jun 75, Abnish C. Amar.

Design of Ground Water Level Observation Well Programs, Vol. 14, No. 2, p 71-77, Mar-Apr 76, Ralph C. Heath.

A Simplified Approach for the Analysis of Unsteady Flow to a Cavity Well, Vol. 14, No. 2, p 101-105, Mar-Apr 76, R.S. Kanwar, S.D. Khepar, H.S. Chauhan and G. Das.

Change in Drawdown Caused by Enlarging a Well in a Dolomite Aquifer, Vol. 14, No. 4, p 191-193, Jul-Aug 76, Stanley E. Norris.

Unsteady Flow to a Nonpenetrating Artesian Well, Vol. 14, No. 4, p 200-204, Jul-Aug 76, M.H. Abdul Khader and D. Ramadurgaiah.

Differential-Head--Lake-Level Relationships in the Middle-Gulf Area, Florida, Vol. 14, No. 5, p 278-282, Sept-Oct 76, H.E. Hudson, Jr.

Ground Water Movements

Russian Contributions to the Theory of Ground-Water Flow, Vol. 1, No. 1, p 44-48, Jan 63, Roger DeWiest.

Flow to Wells in the Presence of Radial Discontinuities, Vol. 7, No. 6, p 17-20, Nov-Dec 69, Yaron M. Sternberg.

Steady-State Lateral Movement of Water Through the Unsaturated Zone of an Unconfined Aquifer, Vol. 7, No. 6, p 28-34, Nov-Dec 69, F. Mobasheri and M. Shahbazi.

The Significance of Percolation Water in Limestone Catchments, Vol. 8, No. 5, p 8-11, Sept-Oct 70, David P. Drew.

Numerical Solutions for the Radial Subsurface Flow Problem, Vol. 8, No. 6, p 39-47, Nov-Dec 70, R.L. Drake and M.B. Ellingson.

Infill of Nuclear Rubble Chimneys by Ground Water, Vol. 10, No. 3, p 10-17, May-Jun 72, P.R. Fenske and R.L. Charnell.

Hydraulics of Sheetlike Solution Cavities, Vol. 11, No. 4, p 4-11, Jul-Aug 73, Gerald K. Moore.

Applications of Electro-Osmosis to Ground-Water Flow Problems, Vol. 13, No. 6, p 484-491, Nov-Dec 75, R.W. Lewis, C. Humpheson and J.C. Bruch, Jr.

Application of Ground-Water Flow Theory to a Subsurface Oil Spill, Vol. 14, No. 3, p 138-145, May-Jun 76, Thomas L. Holzer.

Ground-Water and Surface-Water Relationships in the Glacial Province of Northern Wisconsin-Snake Lake, Vol. 14, No. 4, p 194-199, Jul-Aug 76, Neil G. Jaquet.

Evaluating Ground-Water Paths Using Hydraulic Conductivities, Vol. 14, No. 4, p 205-213, Jul-Aug 76, J.W. Naney, D.C. Kent and E.H. Seely.

Causes of Ground Water Level Fluctuations

Microtime Measurements of Ground-Water Fluctuations, Vol. 1, No. 2, p 18-19, Apr 63, W.C. Walton.

An Analysis of Ground-Water Fluctuations Caused by Ocean Tides in Glynn County, Georgia, Vol. 4, No. 3, p 24-32, Jul 66, D.O. Gregg.

Noninstrumental Factors Affecting Measurement of Static Water Levels in Deeply Buried Aquifers and Aquitards, Nevada Test Site, Vol. 8, No. 2, p 19-28, Mar-Apr 70, Isaac H. Winograd.

Trend-Surface Analysis of Ground-Water Fluctuations, Vol. 8, No. 3, p 29-36, May-Jun 70, John D. Rockaway.

The Rock and Bong Techniques of Measuring Water Levels in Wells, Vol. 8, No. 6, p 14-18, Nov-Dec 70, David M. Stewart.

Ground-Water Fluctuations in Response to Arbitrary Pumpage, Vol. 9, No. 2, p 4-8, Mar-Apr 71, Allen Moench.

Ground Water Chemistry

Some Aspects of Chemical Equilibrium in Ground Water, Vol. 1, No. 3, p 30-34, Jul 63, J.D. Hem.

Temperature and Phosphates as Ground-Water Tracers, Vol. 1, No. 4, p 36-38, Oct 63, F.F. Sampayo and H.R. Wilke.

Corrosion of Well Points and Piping in Domestic Water Near AEC Plant, Vol. 2, No. 3, p 45-48, Jul 64, E.C. Hoxie.

Ground Water and Underground Gas Storage, Vol. 2, No. 4, p 25-32, Oct 64, C.A. Bays.

"Iron Water" from Wells: Causes and Prevention, Vol. 4, No. 1, p 18-21, Jan 66, M.E. Broom.

Frequency Distribution of Dissolved Solids in Ground Water, Vol. 4, No. 4, p 5-12, Oct 66, G.H. Davis.

Physical and Chemical Variations in the Discharge of a Flowing Well, Vol. 5, No. 1, p 9-10, Jan 67, W.K. Summers and L.A. Brandvold.

Monitoring of Changes in Quality of Ground Water, Vol. 6, No. 3, p 14-18, May-Jun 68, Harry E. LeGrand.

The Chemical History of Some Spring Waters in Carbonate Rocks, Vol. 8, No. 3, p 5-9, May-Jun 70, R.L. Jacobson and D. Langmuir.

Where Does Water Quality Improvement Begin?, Vol. 9, No. 3, p 24-28, May-Jun 71, Elmer E. Jones, Jr.

Techniques for Quality-of-Water Interpretations from Calibrated Geophysical Logs, Atlantic Coastal Area, Vol. 9, No. 4, p 25-38, Jul-Aug 71, Donald L. Brown.

Probable Impact of NTA on Ground Water, Vol. 10, No. 1, p 107-117, Jan-Feb 72, R.L. Cosby, J.F. McNabb, B.E. Bledsoe, and M.R. Scalf.

Practical Corrosion and Incrustation Guide Lines for Water Wells, Vol. 10, No. 2, p 6-11, Mar-Apr 72, Joe L. Mogg.

Factors Affecting the Validity of Chemical Analyses of Natural Water, Vol. 10, No. 2, p 12-17, Mar-Apr 72, W.K. Summers.

Occurrence and Quality of Ground Water in Crystalline Rocks of the Llano Area, Texas, Vol. 11, No. 1, p 5-10, Jan-Feb 73, R.A. Landers and L.J. Turk.

Geochemistry and Genesis of Flouride-Containing Ground Waters in India, Vol. 13, No. 3, p 275-281, May-Jun 75, B.K. Handa.

The Solubility of Ferric Oxhydroxides in Natural Waters, Vol. 13, No. 4, p 360-365, Jul-Aug 75, D.O. Whittemore and D. Langmuir.

Ground Water Chemistry (Cont.)

Increasing the End-Point Resolution of the EDTA Titrimetric Method for Determining Water Hardness, Vol. 14, No. 1, p 28-29, Jan-Feb 76, D.M. Hall and R.F. Smith.

Vyredox--In Situ Purification of Ground Water, Vol. 14, No. 2, p 88-93, Mar-Apr 76, R.O. Hallberg and R. Martinell.

A Hypothesis of Ion Filtration in a Potable-Water Aquifer System, Vol. 14, No. 4, p 233-244, Jul-Aug 76, Warren W. Wood.

Hydrochemistry and Ground-Water Mixing in Part of the Lincolnshire Limestone Aquifer, England, Vol. 14, No. 5, p 320-327, Sept-Oct 76, A.R. Lawrence, J.W. Lloyd, and J.M. Marsh.

Hydrology and Chemistry of Ground Water in Puna, Hawaii, Vol. 14, No. 5, p 328-338, Sept-Oct 76, M. Druecker and P. Fan.

Wastewaters in the Vadose Zone of Arid Regions: Hydrologic Interactions, Vol. 14, No. 6, p 367-373, Nov-Dec 76, John F. Mann, Jr.

Waste Injection Wells

Deep Well Disposal, Vol. 1, No. 2, p 15-17, Apr 63, C.L. Hundley, J.T. Matulis.

Hydrologic Aspects of the Disposal of Oil-Field Brines in Alabama, Vol. 3, No. 2, p 22-27, Apr 65, D.B. Knowles.

Hydrologic Aspects of Disposal of Oil-Field Brines in Texas, Vol. 3, No. 4, p 36-42, Oct 65, L.G. McMillion.

Waste Injection into a Deep Limestone in Northwestern Florida, Vol. 4, No. 1, p 22-24, Jan 66, J.T. Barraclough.

Design of Waste Disposal Wells, Vol. 6, No. 2, p 4-8, Mar-Apr 68, John H. Marsh.

Feasibility Criteria for Subsurface Waste Disposal in Illinois, Vol. 6, No. 5, p 5-9, Sept-Oct 68, Robert E. Bergstrom.

Requirements for Adequate Protection of our Nation's Drinking Water, Vol. 10, No. 4, p 2-5, July-Aug 72, Edwin L. Hockman.

Effects of Well Injection on a Basaltic Ghyben-Herzberg Aquifer, Vol. 12, No. 1, p 4-9, Jan-Feb 74, D.R. Hargis and F.L. Peterson.

Subsurface Brine Disposal--Be Reasonable, Vol. 14, No. 3, p 150-156, May-Jun 76, John S. Fryberger.

Ground Water Pollution

Waste Management Activities in the Atomic Energy Commission, Vol. 1, No. 1, p 17-24, Jan 63, W.G. Belter.

Hydrologic Factors Pertinent to Ground-Water Contamination, Vol. 2, No. 1, p 5-12, Jan 64, R.H. Brown.

Refuse Disposal, Its Significance, Vol. 2, No. 1, p 26-30, Jan 64, L. Weaver.

Ground Water and Underground Gas Storage, Vol. 2, No. 4, p 25-32, Oct 64, C.A. Bays.

The Effectiveness of Michigan's Oil and Gas Conservation Law in Preventing Pollution of the State's Ground Waters, Vol. 3, No. 2, p 35-36, Apr 65, G.E. Eddy.

Environmental Framework of Ground Water Contamination, Vol. 3, No. 2, p 11-15, Apr 65, H.E. LeGrand.

Ground Water Contamination in an Urban Environment, Vol. 3, No. 3, p 27-30, Jul 65, J.E. Hackett.

Natural Controls Involved in Shallow Aquifer Contamination, Vol. 3, No. 3, p 37-40, Jul 65, M. Deutsch.

Hydrogeologic Factors in Problems of Contamination in Arid Lands, Vol. 3, No. 4, p 29-32, Oct 65, G.B. Maxey and R.N. Farvolden.

Removal of ABS and Other Sewage Components by Infiltration Through Soils, Vol. 4, No. 1, p 10-17, Jan 66, H.G. Page and C.H. Wayman.

Effects on Ground Water Quality and Induced Infiltration of Wastes Disposed into the Hocking River at Lancaster, Ohio, Vol. 5, No. 3, p 15-19, Jul 67, S.E. Norris.

Manmade Contamination Hazards, Vol. 6, No. 3, p 10-14, May-Jun 68, P.H. McGauhey.

Can Ground Water Pollution Be Avoided?, Vol. 7, No. 2, p 21-23, Mar-Apr 69, James H. Williams.

Effects of Mine Drainage on Ground Water, Vol. 7, No. 3, p 27-32, May-Jun 69, G.H. Emerich and G.L. Merritt.

Microbial Problems in Ground Water, Vol. 7, No. 3, p 33-35, May-Jun 69, Gordon G. Robeck.

Application of Hydrogeology to the Selection of Refuse Disposal Sites, Vol. 7, No. 6, p 9-13, Nov-Dec 69, Ronald A. Landon.

Statistical Evaluation of Salinity and Nitrate Content and Trends Beneath Urban and Agricultural Areas-Fresno, Ca, Vol. 8, No. 1, p 22-28, Jan-Feb 70, Harry I. Nightingale.

The Movement of Bacteria and Viruses Through Porous Media, Vol. 8, No. 2, p 37-48, Mar-Apr 70, John C. Romero.

Drain Installation for Nitrate Reduction, Vol. 8, No. 4, p 11-13, Jul-Aug 70, L.S. Willardson, B.D. Meek, L.B. Grass, G.L. Dickey and J.W. Bailey.

Ground Water Pollution (Cont.)

A Hydrological Approach to Control Acid Mine Pollution for Lake Hope, Vol. 8, No. 6, p 19-24, Nov-Dec 70, Moid Uddin Ahmad.

Techniques for Quality-of-Water Interpretations from Calibrated Geophysical Logs, Atlantic Coastal Area, Vol. 9, No. 4, p 25-38, Jul-Aug 71, Donald L. Brown

Solid Waste Disposal and Ground Water, Vol. 9, No. 5, p 2-3, Sept-Oct 71, J. Matis.

Pesticide Contamination of a Shallow Bored Well in the Southeastern Coastal Plains, Vol. 9, No. 6, p 45-49, Nov-Dec 71, M.J. Lewallen.

Gasoline Pollution of a Ground Water Reservoir--A Case History, Vol. 9, No. 6 p 50-56, Nov-Dec 71, D.E. Williams and D.G. Wilder.

Petroleum Contamination of Ground Water in Maryland, Vol. 9, No. 6, p 57-61, Nov-Dec 71, J. Matis.

Chemical Contamination of Ground Water, Vol. 9, No. 6, p 62-75, Nov-Dec 71, Group Discussion.

Ground Water Pollution Potential of a Landfill Above the Water Table, Vol. 9, No. 6, p 76-96, Nov-Dec 71, M.A. Apgar and D. Langmuir.

Ground Water Pollution and Sanitary Landfills--A Critical Review, Vol. 10, No. 1, p 3-16, Jan-Feb 72, A.E. Zanoni.

Effect of Early Day Mining Operations on Present Day Water Quality, Vol. 10, No. 1, p 17-26, Jan-Feb 72, L.L. Mink, R.E. Williams and A.T. Wallace.

Solid Waste--Its Ground Water Pollution Potential, Vol. 10, No. 1, p 27-41, Jan-Feb 72, Group Discussion.

Methods of Geologic Evaluation of Pollution Potential at Mountain Homesites, Vol. 10, No. 1, p 42-49, Jan-Feb 72, James P. waltz.

Nitrate in Ground Water of the Fresno-Clovis Metropolitan Area, California, Vol. 10, No. 1, p 50-64, Jan-Feb 72, Kenneth D. Schmidt.

The Use, Abuse, and Recovery of a Glacial Aquifer, Vol. 10, No. 1, p 65-72, Jan-Feb 72, Edward M. Burt.

Aquifer Protection and Rehabilitation, Vol. 10, No. 1, p 73-87, Jan-Feb 72, Group Discussion.

Salty Ground Water and Meteoric Flushing of Contaminated Aquifers in West Virginia, Vol. 10, No. 1, p 99-106, Jan-Feb 72, Benton M. Wilmoth.

Migration and Leaching of Metals from Old Mine Tailings Deposits, Vol. 10, No. 3, p 33-44, May-Jun 72, J.H. Galbraith, R.E. Williams and P.L. Seims.

Quality of Near-Surface Waters in Southern Illinois, Vol. 11, No. 1, p 11-18, Jan-Feb 73, Richard W. Davis.

Bacterial Movement Through Fractured Bedrock, Vol. 11, No. 2, p 6-10, Mar-Apr 73, M.J. Allen and S.M. Morrison.

Where Have All the Toxic Chemicals Gone?, Vol. 11, No. 2, p 11-20, Mar-Apr 73, William H. Walker.

Protection of Water-Supply Wells from Contamination by Wastewater, Vol. 11, No. 3, p 9-15, May-Jun 73, Alfred P. Bernhart.

Salt Pollution of a Shallow Aquifer--Indianapolis, Indiana, Vol. 11, No. 4, p 18-22, Jul-Aug 73, Howard W. Dennis.

Ground Water Nitrate Pollution in Rural Areas, Vol. 11, No. 5, p 19-22, Sept-Oct 73, William H. Walker.

Water Quality Cycle--Reflection of Activities of Nature and Man, Vol. 12, No. 1, p 16-21, Jan-Feb 74, Ahmad Amin Hassan.

Design and Operation of Land Treatment Systems for Minimum Contamination of Ground Water, Vol. 12, No. 3, p 140-147, May-Jun 74, Herman Bouwer.

Monitoring Toxic Chemical Pollution from Land Disposal Sites in Humid Regions, Vol. 12, No. 4, p 213-218, Jul-Aug 74, William H. Walker.

Dissolved Organic Carbon (DOC), and Index of Organic Contamination in Ground Water Near Barstow, California, Vol. 12, No. 5, p 283-290, Sept-Oct 74, J.L. Hughes, L.A. Eccles,and R.L. Malcolm.

Orthophosphate in Ground Water, Hall County, Nebraska, Vol. 12, No. 5, p 291-295, Sept-Oct 74, Jon C. Atkinson.

Subsurface Sewage Disposal and Contamination of Ground Water in East Portland, Oregon, Vol. 12, No. 6, p 356-368, Nov-Dec 74, E.L. Quan, H.R. Sweet and J.R. Illian.

Sampling of Variable, Waste-Migration Patterns in Ground Water, Vol. 12, No. 6, p 369-377, Nov-Dec 74, K.E. Childs, S.B. Upchurch, and B. Ellis.

Leachate Plumes in a Highly Permeable Aquifer, Vol. 12, No. 6, p 388-393, Nov-Dec 74, G.E. Kimmel and O.C. Braids.

Waste Surveillance in Subsurface Disposal Projects, Vol. 12, No. 6, p 418-426, Nov-Dec 74, Raphael Kazmann.

Hydrocarbon Dispersion in Ground Water: Significance and Characteristics, Vol. 12, No. 6, p 427-438, Nov-Dec 74, John O. Osgood.

Operation and Maintenance of Domestic Waste Disposal System Discharging into Ground Waters, Vol. 12, No. 6, p 439-457, Nov-Dec 74, Group Discussion.

Pickling Liquors, Strip Mines, and Ground-Water Pollution, Vol. 13, No. 1, p 4-10, Jan-Feb 75, Wayne A. Pettyjohn.

Subsurface Biological Activity in Relation to Ground Water Pollution, Vol. 13, No. 1, p 33-44, Jan-Feb 75, J.F. McNabb and W.J. Dunlap.

Ground Water Pollution (Cont.)

Bacteriological Criteria for Ground Water Quality, Vol. 13, No. 1, p 45-52, Jan-Feb 75, M.J. Allen and E.E. Geldreich.

Natural Soil Nitrate: The Cause of the Nitrate Contamination of Ground Water in Runnels County, Texas, Vol. 13, No. 1, p 53-62, Jan-Feb 75, C.W. Kreitler, D.C. Jones.

Earth Resistivity Surveys--A Method for Defining Ground Water Contamination, Vol. 13, No. 2, p 145-150, Mar-Apr 75, R.L. Stollar and P. Roux.

The Use of Specialized Drilling and Ground Water Sampling Technique for Delineation of Hexavalent Chromium Contamination in an Unconfined Aquifer, Southern New Jersey, Coastal Plain, Vol. 13, No. 2, p 151-154, Mar-Apr 75, Bruce S. Yare.

Investigation and Rehabilitation of a Brine-Contaminated Aquifer, Vol. 13, No. 2, p 155-160, Mar-Apr 75, John S. Fryberger.

Thirty-Five Years of Continuous Discharge of Secondary Treated Effluent into Sand Beds, Vol. 13, No. 2, p 161-166, Mar-Apr 75, D.B. Aulenbach and T.J. Tofflemire.

The Configuration of Contamination Enclaves from Refuse Disposal Sites on Floodplains, Vol. 13, No. 2, p 167-181, Mar-Apr 75, R. Palmquist and L.V.A. Sendlein.

Ground Water Quality Beneath Solid-Waste Disposal Sites at Anchorage, Alaska, Vol. 13, No. 2, p 182-190, Mar-Apr 75, C. Zenone, D.E. Donaldson and J.J. Grunwaldt.

Investigating Ground Water Pollution From Indianapolis' Landfills--The Lessons Learned, Vol. 13, No. 2, p 191-196, Mar-Apr 75, W.G. Weist, Jr. and R.A. Pettijohn.

Monitoring Regional Effects of High Pressure Injection of Industrial Waste Water in a Limestone Aquifer, Vol. 13, No. 2, p 197-208, Mar-Apr 75, G.L. Faulkner and C.A. Pascale.

Ground Water Pollution by Wood Waste Disposal, Vol. 13, No. 2, p 227-231, Mar-Apr 75, H.R. Sweet and R.H. Fetrow.

Survey of Ground-Water Protection Methods for Illinois Landfills, Vol. 13, No. 4, p 321-331, Jul-Aug 75, Thomas P. Clark.

Chloride Contamination in Alum Creek, Central Ohio, Vol. 13, No. 4, p 332-339, Jul-Aug 75, Wayne A. Pettyjohn.

Hexavalent Chromium in the Ground Water in Paradise Valley, Arizona, Vol. 13, No. 6, p 516-527, Nov-Dec 75, Frederick N. Robertson.

Monitoring Ground-Water Quality Near a Sanitary Landfill, Vol. 14, No. 1, p 11-20, Jan-Feb 76, G.R. Kunkle and J.W. Shade.

Application of Ground-Water Flow Theory to a Subsurface Oil Spill, Vol. 14, No. 3, p 138-145, May-Jun 76, Thomas L. Holzer.

Cathodic Protection Wells and Ground-Water Pollution, Vol. 14, No. 3, p 146-149, May-Jun 76, Edwin A. Ritchie.

Water Monitoring--Jim Bridger Project-Sweetwater County, Wyoming, Vol. 14, No. 3, p 157-162, May-Jun 76, B.A. Florquist and P.A. Hilbelink.

Countermeasures to Control Oil Spills in Western Canada, Vol. 14, No. 3, p 163-169, May-Jun 76, P.L. Hall and H. Quam.

Environmental Effects of Highway Deicing Salts, Vol. 14, No. 5, p 286-289, Sept-Oct 76, D. Roth, and G. Wall.

Effects of Uranium Mining and Milling on Ground Water in the Grants Mineral Belt, New Mexico, Vol. 14, No. 5, p 296-308, Sept-Oct 76, R.F. Kaufmann, G.G. Eadie, and C.R. Russell.

Wastewaters in the Vadose Zone of Arid Regions: Hydrologic Interactions, Vol. 14, No. 6, p 367-373, Nov-Dec 76, John F. Mann, Jr.

Wastewaters in the Vadose Zone of Arid Regions: Geochemical Interactions, Vol. 14, No. 6, p 374-385, Nov-Dec 76, Donald D. Runnells.

Ground-Water Pollution Aspects of Land Disposal of Sewage from Remote Recreation Areas, Vol. 14, No. 6, p 403-410, Nov-Dec 76, Nils Johnson and Dean H. Urie.

The Selection and Management of Feedlot Sites and Land Disposal of Animal Waste in Boise Valley, Idaho, Vol. 14, No. 6, p 411-425, Nov-Dec 76, L.L. Mink, C.M. Gilmour. S.M. Beck, J.H. Milligan and R.L. Braun.

Prediction of Future Nitrate Concentrations in Ground Water, Vol. 14, No. 6, p 426-438, Nov-Dec 76, C.P. Young, D.B. Oakes and W.B. Wilkinson.

The Contribution of Fertilizer to the Ground Water of Long Island, Vol. 14, No. 6, p 439-448, Nov-Dec 76, Joseph H. Baier and Kenneth A. Rykbost.

Abatement of Nitrate Pollution in a Public-Supply Well by Analysis of Hydrologic Characteristics, Vol. 14, No. 6, p 449-454, Nov-Dec 76, L.A. Eccles, J.M. Klein, and W.F. Hardt.

Tracing Sewage Effluent Recharge-Tucson, Arizona, Vol. 14, No. 6, p 463-471, Nov-Dec 76, T.R. Schultz, J.H. Randall, L.G. Wilson and S.N. Davis.

Monitoring Cyclic Fluctuations in Ground-Water Quality, Vol. 14, No. 6, p 472-494, Nov-Dec 76, Wayne A. Pettyjohn.

Saline Ground Water and Salt Water Intrusion

Industry Looks at Saline Ground Water, Vol. 1, No. 1, p 25-27, Jan 63, A.C. Barlow.

Some Aspects of Sampling Salty Ground Water in Coastal Aquifers, Vol. 1, No. 1, p 28-32, Jan 63, F.A. Kohout and N.D. Hoy.

Saline Ground Water in Southern Florida, Vol. 1, No. 2, p 4-8, Apr 63, C.B. Sherwood and Howard Klein.

Saline Ground Water--A Little Used and Unmapped Resource, Vol. 1, No. 3, p 18-20, Jul 63, J.L. Poole.

Subterranean Natural Brines Produce Sodium Sulphate in West Texas, Vol. 1, No. 3, p 35-36, Jul 63, C.C. Reeves, Jr.

Saline-Water Development Poses Problems in Metal Corrosion, Vol. 1, No. 4, p 21-25, Oct 63, F.W. Fink.

The Chemistry of Saline Water, Vol. 1, No. 4, p 7-12, Oct 63, R.A. Krieger.

Dispersion and Salt Water Intrusion, Vol. 2, No. 3, p 39-44, Jul 64, R.J.M. DeWiest.

Relations of Fresh and Salty Ground Water Along the South-Eastern U. S. Atlantic Coast, Vol. 3, No. 4, p 3-17, Oct 65, R.L. Wait, and J.T. Callahan.

Control of Sea-Water Intrusion in a Ground-Water Aquifer, Vol. 7, No. 3, p 9-14, May-Jun 69, A.E. Bruington.

On the Management of Ground Water in Coastal Aquifers, Vol. 9, No. 2, p 12-20, Mar-Apr 71, Abdel-Aziz I. Kashef.

Protective Pumping to Reduce Aquifer Pollution, Glynn County, Georgia, Vol. 9, No. 5, p 21-29, Sept-Oct 71, Dean O. Gregg.

Physics of Brine Coning Beneath Skimming Wells, Vol. 11, No. 1, p 19-24, Jan-Feb 73, Brij M. Sahni.

Salt Water Intrusion in the Summerside Area, P.E.I., Vol. 11, No. 2, p 21-27, Mar-Apr 73, J.J. Tremblay, J. D'Cruz and H. Anger.

The Hydrogeology and Utilization of Brines in El Salado, Chile, Vol. 12, No. 2, p 72-77, Mar-Apr 74, John W. Lloyd.

Development of Fresh Ground Water Near Salt Water in West Virginia, Vol. 13, No. 1, p 25-32, Jan-Feb 75, Benton M. Wilmoth.

Investigation and Rehabilitation of a Brine-Contaminated Aquifer, Vol. 13, No. 2, p 155-160, Mar-Apr 75, John S. Fryberger.

Approximation for Steady Interface Beneath a Well Pumping Fresh Water Overlying Salt Water, Vol. 13, No. 3, p 254-259, May-Jun 75, Reiner G. Haubold.

Upconing of the Salt Water-Fresh Water Interface Beneath a Pumping Well, Vol. 13, No. 4, p 354-359, Jul-Aug 75, R.L. Chandler and D.B. McWhorter.

Bacterial Flora of Saline Aquifers, Vol. 13, No. 5, p 406-409, Sept-Oct 75, C.J. Willis, G.H. Elkan, E. Horvath and K.R. Dail.

Evidence of Salt-Water Intrusion in Southeastern Long Island, Vol. 14, No. 5, p 315-319, Sept -Oct 76, M.P. Anderson and C. A. Berkebile.

Ground-Water Potential and Development

Optimum Depth of Wells in Crystalline Rocks, Vol. 2, No. 2, p. 6-11, April 64, S.N. Davis and L.J. Turk.

Economics and Ground-Water Development, Vol. 3, No. 2, p. 4-8, Apr 65, L.M. Hartman.

Planning a Ground-Water Program, Vol. 3, No. 2, p. 32-34, Apr 65, W.C. Walton.

New Approaches to Water-Resources Investigations in Upstate New York, Vol. 5, No. 4, p. 6-11, Oct 67, A.M. LaSala, Jr.

Ground-Water Development in Desert Areas, Vol. 6, No. 5, p. 2-4, Sept-Oct 68, John W. Harshbarger.

Hydrogeology of Desert Basins, Vol. 6, No. 5, p. 10-22, Sept-Oct 68, George B. Maxey.

Research Developments in Ground Water, Vol. 6, No. 6, p. 2-5, Nov-Dec 68, Roland R. Renne.

Water Resources and the Urban Environment, Vol. 7, No. 2, p. 11-14, Mar-Apr 69, James E. Hackett.

Intergovernmental Planning of Water Resources, Vol. 7, No. 2, p. 15-17, Mar-Apr 69, Harold G. Wilm.

A Simplified Technique for Well-Field Design, Vol. 7, No. 3, p. 5-8, May-June 69, J. Russell Mount.

A System for Planning and Scheduling Water Resources Studies and Construction Projects, Vol. 7, No. 5, p. 16-18, Sept-Oct 69, E.F. LeRoux and D.G. Jorgensen.

Put Hydrogeology into Planning, Vol. 8, No. 6, p. 2-7, Nov-Dec 70, David A. Sommers.

The Home Ground-Water Supply Picture as We See It, Vol. 9, No. 3, p. 17-23, May-June 71, James H. McDermott.

Problems and Benefits in Ground-Water Management, Vol. 10, No. 2, p. 2-5, Mar-Apr 72, George W. McCleskey.

The Geologist and Water Resources Research, Vol. 10, No. 5, p. 2-5, Sept-Oct 72, James C. Warman.

Water Development on Tropic Volcanic Islands--Type Example: Hawaii, Vol. 10, No. 5, p. 18-23, Sept-Oct 72, Frank L. Peterson.

Tube Wells, Open Wells, and Optimum Ground-Water Resource Development, Vol. 12, No. 1, p. 10-15, Jan-Feb 74, William H. Walker.

A Simple Case of Conjunctive Surface-Ground-Water Management, Vol. 13, No. 6, p. 506-515, Nov-Dec 75, H. J. Morel-Seytoux.

Fibonacci Search for High-Yield Well Sites, Vol. 14, No. 2, p 78-81, Mar-Apr 76, Otto J. Helweg.

Well Drilling and Developing

Hydraulic Gravel Packing for Deep Water Wells, Vol. 1, No. 1, p 16, Jan 63, A.E. Fawcett.

Large Diameter Hole Drilling, Vol. 1, No. 2, p 9-10, Apr 63, R.H. Lauman.

Modern Water Well Drilling Techniques in Use in the United Kingdom, Vol. 1, No. 3, p 3-11, July 63, G.R.S. Stow.

The Power Auger in Ground-Water Exploration in Ohio, Vol. 1, No. 3, p 15-17, July 63, N.G. Bailey.

Well Points for Dewatering, Vol. 1, No. 3, p 21-26, July 63, D.G. Noble.

Progress in the Water Well Construction Industry, Vol. 2, No. 1, p 31-34, Jan 64, S.T. Guardino.

Percussion-Reverse Circulation Water-Well Drilling System Designed and Developed in Italy, Vol. 2, No. 2, p 25-27, Apr 64, I.M. Massarenti.

Atomic Tools in Developing Water, Vol. 4, No. 2, p 13-15, Apr 66, A.M. Piper.

Packer Testing in Water Wells Near Sarasota, Florida, Vol. 4, No. 2, p 23-27, Apr 66, H. Sutcliffe, Jr., and B.F. Joyner.

Quicksand and Water Wells, Vol. 4, No. 2, p 32-46, Apr 66, P.F. Patchick.

The Ground-Water Consultant Looks to the Driller, Vol. 4, No. 4, p 20-22, Oct 66, M.L. Klug.

When Not to Acidize, Vol. 5, No. 2, p 36-40, Apr 67, W.H. Walker.

Field Use of Orifice Meters, Vol. 7, No. 4, p 8-11, Jul-Aug 69, Donald G. Jorgensen.

Small Diameter Wells Drilled by Jet Percussion Method, Vol. 8, No. 1, p 6-9, Jan-Feb 70, W.G. Matlock.

Well Screens and Gravel Packs, Vol. 8, No. 1, p 10-21, Jan-Feb 70, A. Hunter Blair.

High-Capacity Wells for Conjunctive Use of Water, Vol. 9, No. 5, p 4-11, Sept-Oct 71, Herbert H. Ham.

Efficiency of Partially Penetrating Wells, Vol. 11, No. 3, p 5-8, May-Jun 73, Yaron M. Sternberg.

Techniques for Locating Water Wells in Fractured Crystalline Rocks, Vol. 11, No. 3, p 26-28, May-Jun 73, Bruce A. Florquist.

Ground-Water Recharge

Artificial Recharge and Pollution of Ground Water, Vol. 1, No. 1, p 11-15, Jan 63, R.H. Harmeson and O.W. Vogel.

Artificial Recharge of Surface Water to the Ogallala Formation in the High Plains of Texas, Vol. 2, No. 2, p 42-45, Apr 64, J. Valliant.

Water Resource Management in the Prospect Valley Area, Colorado, Vol. 2, No. 2, p 28-31, Apr 64, M.M. Skinner.

Ground Water Recharge Hydrology, Vol. 2, No. 3, p 16-20, Jul 64, L. Schiff.

Hidden Recharge, Vol. 2, No. 4, p 14-17, Oct 64, J.H. Feth.

Influence of Forest Cover on Snowpack and Ground-Water Recharge, Vol. 4, No. 1, p 5-9, Jan 66, D.H. Urie.

Aquifer Recharge Efficiency of Wells and Trenches, Vol. 5, No. 3, p 6-14, Jul 67, V.H. Scott and G. Aron.

The Hydrogeology of an Induced Stream Bed Infiltration Area, Vol. 6, No. 3, p 21-32, May-Jun 68, Perry H. Rahn.

Infiltration Induced Soil Instabilities, Vol. 8, No. 1, p 29-36, Jan-Feb 70, Donald Dean Adrian.

On the Design and Construction of Infiltration Galleries, Vol. 8, No. 3, p 16-24, May-Jun 70, Truman W. Bennett.

Recharge Characteristics of a Watercourse Aquifer System at Springfield, Ohio, Vol. 9, No. 1, p 30-41, Jan-Feb 71, S.E. Norris and H.B. Eagon, Jr.

Observations on Water Content Changes in Stratified Sediments During Pit Recharge, Vol. 9, No. 3, p 29-41, May-Jun 71, L.G. Wilson.

Feasibility of Recharging Treated Sewage Effluent into a Deep Sandstone Aquifer, Vol. 9, No. 6, p 29-35, Nov-Dec 71, Richard J. Schict.

Ground-Water Waste Disposal Recharge and Reuse, Vol. 9, No. 6, p 36-44, Nov-Dec 71, Group Discussion.

Pit Recharge Influenced by Subsurface Spreading, Vol. 10, No. 5, p 6-11, Sept-Oct 72, D.B. McWhorter and J.A. Brookman.

Artificial Recharge-State of the Art, Vol. 12, No. 3, p 152-160, May-Jun 74, R.F. Brown and D.C. Signor.

Protracted Recharge of Treated Sewage into Sand: Part I--Quality Changes in Vertical Transport Through the Sand, Vol. 12, No. 3, p 161-169, May-Jun 74, D.B. Aulenbach, T.P. Galvin and J.A.R. Rojas.

Protracted Recharge of Treated Sewage into Sand: Part II--Tracing the Flow of Contaminated Ground Water with a Resistivity Survey, Vol. 12, No. 4, p 219-223, W.B. Fink, Jr., and D.B. Aulenbach.

Ground-Water Recharge (Cont.)

Protracted Recharge of Treated Sewage into Sand: Part III--Nutrient Transport Through the Sand, Vol. 12, No. 5, p 301-309, Sept-Oct 74, D.B. Aulenbach, J.J. Ferris, N.L. Clesceri and T.J. Tofflemire.

Chemical Interaction During Deep Well Recharge, Bay Park, New York, Vol. 13, No. 1, p 17-24, Jan-Feb 75, S.E. Ragone, and J. Vecchioli.

Ground-Water Recharge Rates from Thermometry, Vol. 13, No. 4, p 340-344, Jul-Aug 75, Harry I. Nightingale.

Filter-Pack Installation and Redevelopment Techniques for Shallow Recharge Shafts, Vol. 13, No. 5, p 400-405, Sept-Oct 75, Robert L. McCormick.

Ground Water Management

The Problem of Integrating Ground-Water and Surface-Water Use, Vol. 2, No. 3, p 33-38, Jul 64, M.W. Bittinger.

The Role of Ground Water in Comprehensive River Basin Planning, Vol. 3, No. 2, p 16-18, Apr 65, Russell Morgan.

Planning and Administrative Use of Ground-Water Data, Vol. 3, No. 3, p 24-26, Jul 65, C.E. Nuzman.

From Water Mining to Water Management, Vol. 6, No. 1, p 26-28, Jan-Feb 68, R.G. Kazmann.

Significance of Ground Water Management Strategy--A Systems Approach, Vol. 7, No. 3, p 22-26, May-Jun 69, J.A. Beaver and M.L. Frankel.

Effects of Large-Scale Mining Withdrawals of Ground Water, Vol. 7, No. 4, p 12-20, Jul-Aug 69, Harry M. Peek.

A Systems Approach to Management of the Hanford Ground-Water Basin, Vol. 10, No. 1, p 88-98, Jan-Feb 72, D.B. Cearlock.

Problems and Benefits in Ground-Water Management, Vol. 10, No. 2, p 2-5, Mar-Apr 72, George W. McCleskey.

Water Management Studies of a Stream-Aquifer System, Arkansas River Valley, Colorado, Vol. 12, No. 1, p 22-38, Jan-Feb 74, O.J. Taylor and R.R. Luckey.

C.E. Jacob's Study on the Prospective and Hypothetical Future of the Mining of the Ground Water Deposited Under the Southern High Plains of Texas and New Mexico, Vol. 13, No. 6, p 492-505, Nov-Dec 75, W. Brutsaert, G.W. Gross and R.M. McGehee.

Zoning Aquifers for Tertiary Treatment of Wastwater, Vol. 14, No. 6, p 386-395, Nov-Dec 76, Herman Bouwer.

Design and Optimization of Ground-Water Monitoring Networks for Pollution Studies, Vol. 14, No. 6, p 455-462, Nov-Dec 76, H.O. Pfannkuch and B.A. Labno.

Ground-Water Costs and Economics

Is Your "Water Bank Account" Top Heavy with Capital?, Vol. 1, No. 4, p. 33-35, Oct 63, V.A. Vaseen.

Economics and Ground-Water Development, Vol. 3, No. 2, p. 4-8, Apr 65, L.M. Hartman.

Ground Water Economics as Viewed by the Private Consultant, Vol. 5, No. 3, p. 20-22, July 67, F.H. Klaer, Jr.

Engineering Economics of Ground-Water Pumpage, with Interference, Vol. 5, No. 3, p. 27-32, July 67, C.E. Nuzman.

Ground Water in Economic Development, Vol. 6, No. 3, p. 33-41, May-June 68, Dean F. Peterson.

Estimating Cost of Ground-Water Withdrawal for River Basin Planning, Vol. 6, No. 4, p. 15-23, Jul-Aug 68, E.F. Hollyday and P.R. Seaber.

Costs of Wells and Pumps, Vol. 7, No. 1, p. 35-37, Jan-Feb 69, William C. Ackermann.

Costs of Pumping Water, Vol. 7, No. 1, p. 38-39, Jan-Feb 69, William C. Ackermann.

Methods for Calculating the Cost of Developing Ground Water Resources in Appalachia, Vol. 7, No. 4, p. 21-23, Jul-Aug 69, Granville G. Wyrick.

Cost of Domestic Wells and Water Treatment in Illinois, Vol. 9, No. 5, p. 40-48, Sept-Oct 71, James P. Gibb.

Tax Implications of Ground-Water Depletion, Vol. 11, No. 6, p. 27-35, Nov-Dec 73, James H. Sellers.

Ground Water Education

Interdisciplinary Training Program in Scientific Hydrology, Vol. 1, No. 2, p 11-14, Apr 63, J.W. Harshbarger and J.G. Ferris.

Hydrogeologic Aspects of the International Hydrological Decade, Vol. 4, No. 4, p 36-47, Oct 66, W.C. Walton.

The Geological Profession and Ground Water, Vol. 6, No. 1, p 5-9, Jan-Feb 68, A.F. Agnew.

Science Information and Advice for the Congress, Vol. 7, No. 1, p 2-8, Jan-Feb 69, Richard A. Carpenter.

Public Service and Public Relations, Vol. 7, No. 2, p 18-20, Mar-Apr 69, Russell B. Stein.

Some Aspects of the Scientific Communication System in Hydrology, Vol. 7, No. 4, p 28-37, Jul-Aug 69, P. Meyboom.

A View from the Crossroad of the International Hydrological Decade, Vol. 8, No. 2, p 2-4, Mar-Apr 70, L.A. Heindl.

Hydrogeology is More than a Classical Science, Vol. 12, No. 3, p 148-151, May-Jun 74, D. Stephenson.

Ground Water Legislation

The Value of State Ground Water Agencies to the Small Water Well Contractor, Vol. 1, No. 1, p. 4-7, Jan 63, A.C. Walker.

Statutes and Regulations Governing Private Water Well Construction and Pump Installations, Vol. 1, No. 2, p 25-32, Apr 63, T.A. Calabresa.

Federal Legislation on Ground-Water Development, Vol. 3, No. 1, p 30-32, Jan 65, G.G. Stamm.

Our Cultural Approach to Water Rights, Vol. 3, No. 2, p 19-21, Apr 65, H. E. Thomas.

Water Rights and Regulation in the Eastern States, Vol. 3, No. 4, p 18-28, Oct 65, H.H. Ellis.

Ground Water and Government, Vol. 7, No. 6, p 2-8, Nov-Dec 69, Charles F. Luce.

EPA's Role in Ground-Water Protection, Vol. 9, No. 6, p 2-6, Nov-Dec 71, Stanley M. Greenfield.

The Safe Drinking Water Act and Ground-Water Protection, Vol. 13, No. 2, p 142-144, Mar-Apr 75, N.P. Gillies.

The Safe Drinking Water Act--Its First 250 Days, Vol. 13, No. 5, p 390-394, Sept 75, Jay H. Lehr